

PATENT
2059-0103P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Harold G. BROWN et al.
Appl. No.: New Group: Unknown
Filed: July 31, 2001 Examiner: UNKNOWN
For: A PHARMACEUTICAL COMPOSITION OF COMPLEX
CARBOHYDRATES AND ESSENTIAL OILS AND
METHODS OF USING THE SAME

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION CONCURRENT WITH THE
FILING OF A NEW PATENT APPLICATION)

Assistant Commissioner for Patents
Washington, DC 20231

July 31, 2001

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☐ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☒ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

Docket No. 2059-0103P

III. CONCISE EXPLANATION OF THE RELEVANCE
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☒ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

Docket No. 2059-0103P

FEES


This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 
Marc S. Weiner, #32,181

MSW/sh
2059-0105P

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Enclosures: ☒ Form PTO-1449(s)
☒ Documents
☐ Foreign Search Report
☐ Fee
☒ Other: International Search Report

(Rev. 01/22/01)

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| Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | | | | | | | | ATTY DOCKET NO. 2059-0103P | | | | APPLICATION NO. NEW | | | |
| | | | | | | | | APPLICANT Harold G. BROWN et al. | | | | | | | |
| | | | | | | | | FILING DATE July 31, 2001 | | | | GROUP Unassigned | | | |

| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
|-----------------------|-----------------|---|---|---|---|---|---|---------|--------------------|-------|-----------|----------------------------|--|
| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE | |
| | 4 | 1 | 4 | 1 | 9 | 7 | 3 | 02/1979 | Balazs | | | | |
| | 4 | 8 | 0 | 8 | 5 | 7 | 6 | 02/1989 | Schultz et al. | | | | |
| | 5 | 1 | 6 | 6 | 3 | 3 | 1 | 11/1992 | della Valle et al. | | | | |
| | 4 | 7 | 8 | 2 | 0 | 4 | 6 | 11/1988 | Brown et al. | | | | |
| | 5 | 3 | 3 | 1 | 0 | 1 | 2 | 07/1994 | Riddick et al. | | | | |
| | 5 | 3 | 5 | 0 | 7 | 7 | 4 | 09/1994 | Palou | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | | |
|--------------------------|-----------------|----|----|---|---|---|----|------------|---------------------|-------|-----------|-------------|----|--|
| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUB CLASS | TRANSLATION | | |
| | | | | | | | | | | | | YES | NO | |
| | EP | 04 | 44 | 4 | 9 | 2 | B1 | 09/1991 | EPO | | | | | |
| | FR | 26 | 7 | 4 | 7 | 4 | 9 | 10/09/1992 | France | | | | | |
| | WO | 93 | 0 | 9 | 7 | 6 | 6 | 05/27/1993 | PCT | | | | | |
| | WO | 95 | 3 | 1 | 1 | 7 | 7 | 11/23/1995 | PCT (Abstract Only) | | | | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|-----------------|--|--|--|--|
| | Brown et al., <i>The Lancet</i> , Vol. 343, pp.831-836 (April 1994) | | | | | | | | | | | | |
| | Shimizu et al., <i>Journal of Immunology</i> , Vol. 143, pp.2457-2463, No. 8 (October 1989) | | | | | | | | | | | | |
| | Munro et al., <i>American Journal of Pathology</i> , Vol. 141, No. 6, pp.1397-1408 (December 1992) | | | | | | | | | | | | |
| | Lawrence et al., <i>Progress in Essential Oils, Perfumer & Flavorist</i> , Vol. 17, pp.51-60 (Nov/Dec 1992) | | | | | | | | | | | | |
| | Elkhoully et al., <i>Australian Journal of Pharmaceutical Sciences</i> , Vol. 9, pp.81-84 (Sept 1980) | | | | | | | | | | | | |
| | Ibrahim, <i>Pharm. Acta Helv.</i> , Vol. 66, pp.286-288 (1991) | | | | | | | | | | | | |
| | Williams et al., <i>International Journal of Pharmaceutics</i> , Vol. 57, R7-R9 (1989) | | | | | | | | | | | | |
| | Yagi et al., <i>Journal of Pharmaceutical Sciences</i> , Vol. 73, pp.62-65, No. 1 (January 1984) | | | | | | | | | | | | |
| | Tyrrell et al., <i>Proc. Natl. Acad. Sci, USA</i> , Vol. 88, pp.10372-10376 (November 1991) | | | | | | | | | | | | |
| | Radin et al., <i>The Journal of Bone and Joint Surgery</i> , Vol. 54-A, pp.607-616 (April 1972) | | | | | | | | | | | | |
| | Howard et al., <i>The Compendium</i> , Vol. 15, No. 3, pp.473-479 (March 1993) | | | | | | | | | | | | |
| EXAMINER | | | | | | | | | DATE CONSIDERED | | | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

09/890425

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Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

ATTY DOCKET NO.

2059-0108P

APPLICATION
NO.

NEW

APPLICANT

Harold G. BROWN et al.

FILING DATE

July 31, 2001

GROUP

Unassigned

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---|---|---|---|---|---|---------|-----------------|-------|--------------|-------------------------------|
| | 4 | 8 | 9 | 5 | 7 | 2 | 7 | 01/1990 | Allen | | | |
| | 4 | 9 | 1 | 7 | 8 | 9 | 0 | 04/1990 | McAnalley | | | |
| | 4 | 9 | 3 | 3 | 1 | 8 | 4 | 06/1990 | Tsuk | | | |
| | 5 | 0 | 0 | 9 | 8 | 9 | 0 | 04/1991 | Dipippo | | | |
| | 5 | 0 | 2 | 8 | 4 | 2 | 9 | 07/1991 | Gochenouer | | | |
| | 5 | 0 | 8 | 2 | 6 | 5 | 6 | 01/1992 | Hui et al. | | | |
| | 5 | 0 | 9 | 6 | 7 | 0 | 9 | 03/1992 | Vandersloot | | | |
| | 5 | 1 | 0 | 6 | 6 | 2 | 2 | 04/1992 | Sherwood et al. | | | |
| | 5 | 1 | 7 | 9 | 0 | 8 | 6 | 01/1993 | Flender | | | |
| | 5 | 2 | 2 | 3 | 2 | 5 | 7 | 06/1993 | Arora | | | |
| | 5 | 2 | 6 | 6 | 3 | 1 | 8 | 11/1993 | Taylor-McCord | | | |
| | 4 | 1 | 4 | 8 | 8 | 9 | 3 | 04/1979 | Smith | | | |
| | 4 | 4 | 4 | 0 | 7 | 7 | 7 | 04/1984 | Zupan | | | |
| | 4 | 4 | 6 | 3 | 0 | 1 | 6 | 07/1984 | Burgess | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUB CLASS | TRANSLATION | |
|--|-----------------|----|----|---|---|---|---|------------|-----------------------|-------|-----------|-------------|----|
| | | | | | | | | | | | | YES | NO |
| | JP | 01 | 18 | 6 | 8 | 2 | 4 | 07/26/1989 | Japan (Abstract Only) | | | | |
| | | | | | | | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|--|---|
| | The Merck Index, 11 th Edition, pp.735, 1072-1078 (1989) |
| | Santus et al., J. Controlled Release, Vol. 25, pp.1-20 (1993) |
| | Nelson et al., Blood, Vol. 82(11), pp.3253-3258 (1993) (Abstract Only) |
| | Foxhall et al., The Journal of Cell Biology, Vol. 117(4), pp.895-902 (1992) |
| | Tyrrell et al., Proc. Natl. Acad. Sci. USA, Vol. 88, pp.10372-10376 (1991) |
| | Corbett, Spec. Chem., Vol. 11(7), pp.493-4, 496, 501-502 (1991) (Abstract Only) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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|---------------------|-----------------|------------|------------------|-------|--------------|-------------------------------|
| | 4 5 2 1 4 1 1 | 06/1985 | Koloff | | | |
| | 4 5 6 4 5 2 1 | 01/1986 | Altadonna | | | |
| | 4 7 0 8 8 7 3 | 11/1987 | Schulte | | | |
| | 4 7 9 7 4 0 2 | 01/1989 | Dorsey | | | |
| | 4 8 0 0 1 9 7 | 01/1989 | Kowcz et al. | | | |
| | 4 8 4 7 0 7 8 | 07/1989 | Sheppard et al. | | | |
| | 4 8 8 3 6 6 4 | 11/1989 | Sharkey | | | |
| | 4 3 5 3 8 9 6 | 10/1982 | Levy | | | |
| | 5 4 6 0 8 2 1 | 10/24/1995 | Masiz | | | |
| | 5 3 6 2 4 9 7 | 11/08/1994 | Yamada et al. | | | |
| | 5 3 0 8 8 3 8 | 05/03/1994 | McAnalley et al. | | | |
| | 4 9 0 0 5 5 0 | 02/13/1990 | Lowry | | | |
| | 5 2 1 5 7 5 9 | 06/01/1993 | Mausner | | | |
| | 5 5 5 9 1 0 3 | 09/24/1996 | Gaeta et al. | | | |
| | 5 6 0 4 2 0 0 | 02/18/1997 | Taylor-McCord | | | |

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| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | TRANSLATION |
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| | | | | | YES NO |
| | | | | | |
| | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|--|--|---|
| | | Collins & Ferrier, "Monosaccharides: Their Chemistry and Their Roles in Natural Products", (John Wiley & Sons), pg 4 (1995) |
| | | Ed. Sybil Parker, McGraw-Hill Dictionary of Chemical Terms (McGraw-Hill, Inc.), pg. 278 (1984) |
| | | Lasky, Annual Review of Biochemistry, Vol. 64, pp.1B-139 (1995) |
| | | Dsaqupta & Tang, "Modern Synthetic Carbohydrate Chemistry", (ACS-Short Course, Aug 19-20, 1994, Washington D.C.) |

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| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

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